

Abstract

A method and apparatus for making an absorbent composite from continuous tow is disclosed. The method and apparatus includes the steps of or means for spreading a crimped tow; de-registering the crimped tow; shaping the de-registered tow to a substantially rectangular cross-section; and distributing a particulate onto the shaped tow. The step of or means for de-registering the crimped tow uses at least two pairs of rollers, each pair of rollers having a metal-faced roller and a rubber-face roller. The metal-faced rollers are oppositely disposed between the pair of rollers. Alternatively, the metal-faced rollers are disposed between the pair of rollers on the same side.

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